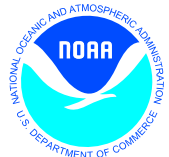


Regions

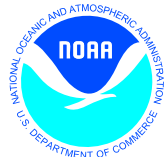
December 12, 2007

Regional SSD Chiefs



NWP Council

- Purpose
 - Provide advice to AA on roadmap for numerical modeling
 - Vehicle for communication between NWS program offices with representatives from:
 - NCEP
 - OS
 - OST
 - CIO
 - OPS
 - SSD Chief
 - Union
- Goal
 - Share information concerning requirements and plans, identify hurdles and roadblocks and set priorities for NWP



Access to Data

- Significant lag between NCEP implementation and availability to field
 - Cannot evaluate parallel runs outside of AWIPS
 - Ensemble usage – missing most members
 - Hurricane WRF
 - Left to access new capabilities via web page
- Field workaround – AWIPS backdoor
 - Poor Bandwidth .75 mbps or 2mbps
 - Associate network upgrades with super computer upgrades
 - AWIPS configuration issues
 - Look to data pull process with AWIPS 2

Model Resolution / Ensembles

- Should be a balance between resolution and ensembles
 - SPC HWT is on the right track to explore science issues
- GEFS resolution needs to be increased
 - Not capturing significant weather features
- Dispersion of ensemble solutions is not the answer yet since mode is not representative
 - High amplitude events in the tails and stay there (or not captured)
 - No demonstration on use of ensembles in operational environment
- Downscale GFS (smartinit)
 - Can eliminate DGEX

Other Comments

- Endorse moving to 4DVAR
 - When will this happen?
- Improve cyclone verification using unified gridded surface analysis
 - Linked with cyclone tracker
 - Advance verification
- RUC initialization with radar assimilation
 - Available for initialization of local models?

Thanks

- RTMA
- Wave Watch 3 –
 - Looking into using NDFD winds
 - Development on multiple grid scales to provide best solutions
 - Heading in the right direction
- SPC HWT steps toward “warn on forecast” concepts
- Advancements closing service gaps between CONUS and Alaska
 - Extending 216 model domain
 - RTMA
 - Extension of WW3 in the Arctic
 - WRF rapid refresh
- HiRes Window
- Holding this annual meeting